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Cotton Fiber and Processing Test Results

CROP of 1972



Consumer and Marketing Service
U.S. DEPARTMENT OF AGRICULTURE
Memphis, Tenn. 38117 December 8, 1972

This is the ninth of a series of reports of fiber and processing test results from the 1972 cotton crop. Subsequent reports in this series will follow at approximately two-week intervals during the harvesting season, and will be summarized in a comprehensive report at the end of the season. This series will present data on the same subject as "Summary of Cotton Fiber and Processing Test Results, Crop of 1971", April 1972. These reports are published by the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, P. O. Box 17723, Memphis, TN 38117.

COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1972

Discussion of Test Results

Cotton testing laboratories of the Agricultural Marketing Service, USDA, report short staple samples tested, to date, are longer, finer and stronger than last season. Yarns spun from these samples are stronger and show fewer imperfections than a year ago. Average spinning potential yarn number is higher through the same period a year ago.

Averages for all medium staple samples tested through December 1, 1972 show stronger fibers at zero gage than through the same date a year ago. Yarns spun from these samples show fewer imperfections. Average spinning potential yarn number is higher.

Medium staple samples from the Southeast are stronger than last season. Shirley Analyzer nonlint content is lower, as is picker and card waste than a year ago. Yarns spun from these samples are stronger and show lower yarn appearance grades. Fewer imperfections were shown in samples tested this season. Average spinning potential yarn number is higher.

South Central medium staple samples are stronger than a year ago. Yarns spun from these samples show lower appearance grades. Fewer imperfections are noted this year. Average spinning potential yarn number is higher than a year ago.

Medium staple samples tested from the Southwest show stronger fibers than a year ago. Picker and card waste is higher. Yarns spun from these samples show more imperfections than last season. Average spinning potential yarn number is higher.

Medium staple samples tested from the West to date show weaker fibers than a year ago. Yarns spun from these samples are weaker and show fewer imperfections.

Averages for all long staple samples tested show stronger fibers than last season. Shirley Analyzer nonlint content is lower, as is picker and card waste compared with last season. Yarns spun from these samples show lower appearance grades. Average spinning potential yarn number is higher than a year ago.

Long staple samples from the Southeast show stronger fibers than last season. Shirley Analyzer nonlint content is lower. Picker and card waste is also less than a year ago. Yarns spun from these samples show lower appearance grades. Average spinning potential yarn number is higher than a year ago.

No additional long staple lots were spun from the South Central area during this report period.

Long staple samples from the West show about the same fiber test results as last season. Picker and card waste is lower than a year ago. Yarns spun from these samples show lower appearance grades and more imperfections. Average spinning potential yarn number is higher than a year ago.

Extra long staple, American Pima, samples from the West show about the same fiber test results as last season. Yarns spun from these samples show lower yarn appearance grades than last season.

Table 1.--Cotton: Averages of fiber and processing tests from selected gin points in the United States through December 1, 1972 1/

Staple group Area, and Crop year	Lots tested	Fiber test results							Processing test results					
		Fibrograph		Mike fine- ness	Fiber strength		S A nonlint	P & C waste	Yarn quality			Spin. Potent.		
		2.5% span	50/2.5 unif.		Zero gage	1/8" gage			Skein str.	Appear- ance	Imperf- ections			
				Inches			Pct.	Rdg.				Mpsi	G/tex	Pct.
<u>Short Staple:</u>														
Southwest														
1971	21	0.96	45	45	5.0	80	20	3.4	6.3	85	120	25	38	
1972	22	0.98	45	45	4.5	84	20	3.0	5.9	95	119	22	47	
<u>Medium Staple:</u>														
Southeast														
1971	58	1.08	45	45	4.4	79	22	3.4	6.5	100	109	20	62	
1972	51	1.08	45	45	4.3	83	23	2.9	6.1	105	103	16	67	
<u>South Central</u>														
1971	127	1.10	45	45	4.4	81	22	2.9	5.8	104	113	20	62	
1972	135	1.09	45	45	4.4	84	23	2.8	6.1	104	109	18	64	
<u>Southwest</u>														
1971	27	1.07	45	45	4.6	86	22	3.0	5.6	103	121	19	59	
1972	29	1.07	46	46	4.5	84	22	3.0	6.1	103	121	21	63	
<u>West</u>														
1971	46	1.12	45	45	4.3	93	25	2.6	5.1	122	121	23	70	
1972	38	1.11	45	45	4.4	91	25	2.4	5.3	113	121	15	68	
<u>U.S. Average</u>														
1971	258	1.10	45	45	4.4	83	23	3.0	5.8	106	114	20	63	
1972	253	1.09	45	45	4.4	86	23	2.8	5.9	106	114	18	66	
<u>Significant dif- ference 2/</u>														
		0.02	2	2	0.2	2	1	0.5	0.5	4(22s)	5	2	3	

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.

Table 1.--Cotton:

Averages of fiber and processing tests from selected gin points in the United States
through December 1, 1972

1/ (Continued)

Staple group, Area, and Crop year	Lots	Fiber Test Results						Processing Test Results										SPY
		Length			Mike	Strength		SA Non- lint	P&C Waste	Comber Waste	Yarn Quality							
		Span	Unif	Zero gage		1/8" gage	Strength carded				Lbs. carded	Indx carded	Appearance combed	Imprfctns card	No.			
																No.	No.	
<u>Long Staple:</u>		No.	In.	Pct.	Rdg.	Mpsi	G/tx	Pct.	Pct.	Pct.	Lbs.	Lbs.	Indx	Indx	No.	No.		
Southeast											<u>22s Carded & Combed Yarn</u>							
1971	11	1.15	43	4.3	80	23	4.4	4.4	9.6	17.0	105	121	108	118	23	10		
1972	16	1.16	44	4.4	85	24	3.5	3.5	8.3	16.9	107	123	102	116	24	9		
South Central																		
1971	3	1.22	43	4.5	83	24	5.3	5.3	9.6	16.4	113	130	107	117	20	9		
1972	3	1.17	45	4.3	89	24	4.1	4.1	8.6	15.6	117	133	103	113	16	8		
West																		
1971	8	1.18	44	3.7	92	27	2.2	2.2	8.1	15.6	130	147	100	104	20	13		
1972	10	1.18	44	3.8	92	26	2.3	2.3	7.0	15.4	128	146	91	98	30	15		
U. S. Average																		
1971	22	1.17	43	4.1	85	25	3.7	3.7	9.1	16.4	115	132	105	113	22	11		
1972	29	1.17	44	4.2	88	25	3.3	3.3	8.0	16.0	117	134	99	109	23	11		
Extra Long Staple:																		
West																		
1971	1	1.41	32	4.0	112	31	2.2	2.2	7.9	17.2		69		100	11			
1972	1	1.40	31	4.0	108	32	2.3	2.3	8.6	16.4		64		100	5			
West																		
1971	8	1.45	30	3.9	98	32	2.5	2.5	8.1	17.6		66		121	2			
1972	8	1.46	32	3.6	99	31	2.3	2.3	7.8	18.1		63		109	3			
Significant Difference 2/		0.02	2	0.2	2	1	0.5	0.5	0.5	0.5	4(22s)	4(22s)	5	5	2	2		
																3		

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.

Table 2 --Cotton, American upland short staple: Quality characteristics by production areas, crop of 1972

Production Area, Classification Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
				Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- lint		Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect's		Spin. Poten- tial
				2.5% span	Unif		Zero Gage	1/8" Gage		Pct	Pct	Gra	Yel		8s or 7 1/4 tx	22s or 27 tx	8s or 7 1/4 tx	22s or 27 tx	8s or 7 1/4 tx	22s or 27 tx	8s or 7 1/4 tx	22s or 27 tx	
No	Grade	Name & Code	Stple	32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No
SOUTHWEST AREA																							
CENTRAL TEXAS																							
FORNEY																							
3	MID LT SP	32	30	0.91	46		4.7	88	LANKART	57	6.6	2	4	99 PERCENT	89	286	6.3	5.5	120	120	29	14	38
ITASCA																							
3	S LM LT SP	42	30	0.96	46		4.5	86	LANKART	LX571	6.0	4	4	100 PERCENT	90	289	6.3	5.7	120	120	33	23	44
MCKINNEY																							
3	S LM	41	30	0.95	46		5.3	90	LANKART	57	6.2	3	4	99 PERCENT	93	302	6.5	5.5	130	130	23	15	41

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1972---(Continued)

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
No	Grade	Name & Code	Style	Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Potential	
				2.5% span	Unif.		Zero Gage	1/8" Gage			Pct	Pct		Gra	Yel	22s or 27 tx	Lbs	Pct	22s or 27 tx	12 tx	22s or 27 tx		12 tx
SOUTH CENTRAL AREA--(Continued)																							
ARKANSAS--(Continued)																							
HELENA																							
3 LM	51	34	1.10	47	4.6	85	STONEVILLE 213		22	6.1	4.0	3	2	100 PERCENT	38	6.2	4.7	130	100	16	10	60	
OSCEOLA																							
3 LM	51	34	1.07	44	4.4	83	STONEVILLE 7A		21	5.7	3.2	4	3	100 PERCENT	32	5.8	3.7	120	90	18	14	54	
WILSON																							
1 LM	51	32	0.97	47	4.7	98	QUAPAH		22	4.5	3.8	4	3	100 PERCENT	31*	4.5	3.5	120	110	11	11	46	
WYNNE																							
2 LM	51	34	1.07	44	4.4	83	DELTAPINE 16		23	7.8	3.7	4	2	100 PERCENT	34	5.9	4.3	120	100	15	10	57	
LOUISIANA																							
LAFAYETTE																							
3 SLM LT SP	42	34	1.07	46	4.7	80	STONEVILLE 213		21	6.4	3.4	4	4	90 PERCENT	29	5.4	3.7	120	100	14	11	53	
LAKE PROVIDENCE																							
3 LM	51	34	1.06	44	4.3	83	STONEVILLE 213		22	6.2	3.6	4	2	100 PERCENT	35	5.9	4.1	120	80	24	14	56	
MONROE																							
2 SLM	41	35	1.10	45	4.6	84	DELTAPINE 16		23	6.4	2.4	2	3	100 PERCENT	38	6.2	4.5	120	100	17	14	36	
SHREVEPORT																							
3 SLM	41	34	1.12	43	4.1	79	DELTAPINE 16		23	7.4	2.3	2	2	100 PERCENT	38	6.5	4.7	120	80	19	16	62	
MISSISSIPPI																							
BELZONI																							
4 SGO	61	34	1.10	41	3.3	84	DELTAPINE 16		23	7.5	3.6	5	2	100 PERCENT	36	6.6	4.9	70	60	49	39	70	
CLARKSDALE																							
3 LM	51	34	1.08	44	4.5	83	STONEVILLE 213		23	6.8	3.0	4	2	100 PERCENT	32	6.1	4.4	90	70	27	21	64	
GREENWOOD																							
4 LM	51	34	1.08	42	3.2	81	STONEVILLE 213		23	6.6	3.7	3	2	100 PERCENT	30	5.7	4.2	70	60	59	41	55	

* End breakage too high to spin 50s yarn. 44s yarn spun and strength adjusted to equivalent of 50s.

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1972--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
No	Grade	Stple	32s	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Poten- tial	
				span	Unif.		Zero	1/8" Gage			Gra	Yel		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx		
SOUTH CENTRAL AREA--(Continued)																							
MISSISSIPPI--(Continued)																							
LYCN																							
3 LM	51	34	1.09	44	3.9	83	23	6.6	3.3	4	2	6.8	103	35	6.3	4.7	90	70	30	26	64		
MORTON																							
3 SLM LT SP	42	34	1.09	45	4.1	83	22	7.6	2.3	3	3	5.7	100	34	6.3	4.6	100	80	19	16	64		
PANTHER BURN																							
3 SLM	41	35	1.13	44	4.0	86	23	7.7	2.1	1	2	5.3	115	42	6.8	5.4	90	80	14	15	75		
SARDIS																							
3 LM	51	34	1.10	44	4.2	82	22	6.6	3.7	3	2	6.7	98	34	6.3	4.5	110	80	12	18	66		
SCCTT																							
3 LM	51	35	1.10	42	4.0	80	23	8.1	2.6	3	2	6.4	104	36	6.6	5.0	90	70	28	25	69		
TRALAKE																							
3 SLM	41	35	1.09	41	3.2	87	25	7.6	2.1	1	2	6.2	114	41	7.0	5.4	90	70	25	22	67		
MISSOURI																							
BELL CITY																							
2 LM	51	34	1.08	44	4.0	76	21	6.6	2.7	4	3	6.6	92	31	6.3	4.6	70	60	39	34	60		
TENNESSEE																							
BOLIVAR																							
3 LM	51	34	1.03	44	4.0	79	21	7.0	2.7	3	3	6.3	93	31	6.2	4.4	90	80	24	16	59		
FAYETTEVILLE																							
3 SLM LT SP	42	34	1.01	44	4.4	82	22	6.5	2.6	3	3	5.6	93	29	6.3	4.3	100	80	17	13	52		
MILLINGTON																							
3 LM	51	34	1.09	44	3.9	80	21	6.4	2.9	3	2	6.4	93	31	6.1	4.2	100	80	13	16	61		
RIDGELY																							
3 SLM	41	35	1.08	43	4.0	77	21	8.0	1.7	3	2	5.4	102	36	6.9	5.2	90	70	19	15	70		
SCMERVILLE																							
3 SLM	41	34	1.07	42	3.8	79	22	8.0	1.9	2	2	5.5	106	37	6.9	5.0	100	70	18	15	74		

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1972--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
No	Grade	Stple	32s	Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Potent-ial	
				2.5% span	Unif.		Zero Gage	1/8" Gage			No	Gra		Yel	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx		50s or 12 tx
SOUTHWEST OKLAHOMA																							
WEBBERS FALLS																							
1	LM	51	34	1.08	46	4.7	88	DELTAPINE 16		3.7	4	3	95 PERCENT	39	6.1	4.4	120	100	14	7	63		
WESTERN ARIZONA																							
BUCKEYE																							
2	SLM	41	34	1.09	45	4.9	86	DELTAPINE 16		2.4	2	2	100 PERCENT	40	5.9	4.3	130	100	11	7	64		
PARKER																							
2	SLM	41	34	1.12	43	4.6	87	DELTAPINE 16		2.2	2	2	94 PERCENT	39	6.2	4.3	120	90	14	11	63		
SAFFORD																							
2	SLM	41	35	1.11	44	4.0	77	DELTAPINE 16		2.9	3	3	100 PERCENT*	36	7.1	5.1	120	100	13	10	60		
STANFIELD																							
2	SLM	41	34	1.07	43	4.8	86	DELTAPINE 16		3.4	2	2	100 PERCENT	32	5.5	4.0	120	90	18	12	51		
CALIFORNIA																							
BAKERSFIELD																							
3	SLM	41	36	1.13	47	4.5	96	ACALA SJ-1		2.8	2	3	100 PERCENT	50	5.9	4.5	130	100	11	7	74		
BRAWLEY																							
2	MID	31	34	1.06	44	4.6	89	DELTAPINE SL		1.9	1	3	70 PERCENT	37	5.7	4.3	120	100	9	7	55		
DOS PALOS																							
2	SLM	41	35	1.08	45	4.4	98	ACALA SJ-1		2.4	3	3	100 PERCENT	48	5.5	4.5	120	100	14	8	77		
EARLIMART																							
2	SLM	41	35	1.12	45	4.2	95	ACALA SJ-1		2.8	3	3	100 PERCENT	43	5.2	4.1	110	80	22	16	62		
HURON																							
2	MID	31	35	1.08	46	4.6	97	ACALA SJ-1		2.5	1	3	99 PERCENT	45	5.9	4.5	130	100	11	8	65		
VISALIA																							
2	SLM	41	35	1.08	47	4.4	99	ACALA 4-42		2.4	3	3	95 PERCENT	48	5.7	4.4	130	100	12	9	75		

* 100 percent selected for tests, less than 100 percent in the area

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1972--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results						Processing Test Results - Carded Yarns												
No	Grade & Code		Stple	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Potent- ial
	Name	Code		2.5% span	Unif.		Zero Gage	1/8" Gage			Pct	Pct		Gra	Yel	No	No	Pct	Pct	22s or 27 tx	50s or 12 tx	
WESTERN AREA--(Continued)																						
CALIFORNIA--(Continued)																						
WASCO																						
2 MID	31	35	1.08	47	4.5	93	ACALA 4-42		26	5.8	2.4	2	4	100 PERCENT*	50	6.1	4.8	130	100	11	7	73
WASCO																						
3 SLM	41	36	1.12	45	4.0	94	ACALA SJ-1		26	5.6	2.5	2	2	100 PERCENT	48	5.8	4.6	120	100	14	11	75
WEST TEXAS																						
GARDEN CITY																						
1 SLM LT SP	42	32	1.02	45	3.9	82	LOCKETT 4789-A		21	6.6	3.6	4	4	100 PERCENT*	28	6.1	4.1	90	70	43	32	48
PECOS																						
2 SLM	41	35	1.12	46	4.3	80	DELTAPINE 16		22	7.7	2.5	2	3	100 PERCENT*	36	6.4	4.6	120	90	22	15	61
PECOS																						
2 SLM	41	34	1.10	46	4.5	76	STONEVILLE 213		21	7.4	3.0	2	3	100 PERCENT*	35	6.4	4.7	130	100	16	10	61
NORTHWEST TEXAS																						
VERNON																						
1 LM	51	32	1.02	47	4.9	88	LOCKETT BXL		22	5.7	3.6	3	3	100 PERCENT	34	5.7	4.0	120	90	17	11	54

* 100 percent selected for tests, less than 100 percent in the area

Table 4 --Cotton, American upland long staple: Quality characteristics by production areas, crop of 1972

Production Area, Classification				Fiber Test Results										Processing Test Results - Carded Yarns									
Sample Number				Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Comber and Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Poten- tial	
No	Grade	Stple	2.5% span	Unif.	Zero		1/8" Gage	Gra			Yel	22s or 27 tx		50s or 12 tx	Pct	Lbs	Pct	22s or 27 tx	50s or 12 tx	Pct	22s or 27 tx		50s or 12 tx
Name & Code				In		Pct	Rdg	Mpsi	G/tex	Pct	No	No	Pct	Lbs	Pct	Pct	No	No	No	No	No		
32s																							
SOUTHEASTERN AREA																							
ALABAMA																							
SULLIGENT																							
3	S LM	LT SP	42	34	1.03	45	4.4	81	25	5.8	2.3	4	3	7.6	91	28	5.8	4.1	120	100	15	12	56
												*		18.8	105	36	6.4	4.5	120	100	5	5	
GEORGIA																							
DANIELSVILLE																							
2	S LM		41	35	1.14	45	4.2	86	23	6.4	2.0	2	3	6.9	113	40	6.1	4.6	100	90	53	17	74
												*		14.9	127	47	6.4	5.2	110	100	7	7	
MADISON																							
3	S LM	LT SP	42	35	1.13	46	4.7	85	24	6.3	4.5	4	3	8.2	108	39	5.9	4.7	100	90	51	19	65
												*		15.6	124	46	6.4	5.0	120	100	10	8	
NORTH CAROLINA																							
FALLSTON																							
2	S LM	LT SP	42	35	1.18	45	4.2	83	24	7.3	3.1	3	4	7.5	115	43	6.5	5.5	110	90	23	18	78
												*		16.4	128	49	6.7	5.5	120	90	10	7	
WESTERN AREA																							
NEW MEXICO																							
HAGERMAN																							
2	S LM		41	37	1.19	43	3.5	90	25	6.5	2.5	1	3	7.3	127	48	6.3	5.3	80	70	49	34	94
												*		15.2	143	54	6.7	5.5	80	70	23	21	
HATCH																							
2	S LM		41	37	1.21	45	3.7	85	25	6.9	2.1	1	2	6.4	128	49	6.7	5.6	80	60	28	28	86
												*		15.6	142	56	6.6	5.8	100	70	15	11	
WEST TEXAS																							
EL PASO																							
2	S LM		41	36	1.19	43	3.9	93	25	6.0	2.3	2	3	7.1	123	48	6.3	5.0	100	80	44	20	86
												*		15.1	139	54	6.5	5.0	100	90	9	8	
EL PASO																							
2	S LM		41	37	1.13	43	3.7	95	24	7.2	1.9	2	3	7.5	127	48	6.2	5.0	90	70	35	24	80
												*		16.9	144	55	6.4	5.3	100	80	17	13	

1/ 100 percent selected for tests, less than 100 percent in the area

* Comber Waste and Combed Yarn Data

Table 5 --Cotton, American upland extra long staple: Quality characteristics by production areas, crop of 1972

Production Area, Classification				Fiber Test Results										Processing Test Results - Combed Yarns										
				Sample Number		Array Length		Mike	Fiber		Elon- gat'n 1/8"	S.A. Non- Lint	Color		P & C Waste	Comber Waste	Strength		Elongation		Appearance Index		Imprfct'ns	
									Zero Gage	1/8" Gage			Gra	Yel			50s or 12 tx	80s or 7 tx	7 tx	80s or 12 tx	50s or 12 tx	80s or 7 tx		
No	Grade	Stple	32s	UqL	CV	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No		
WESTERN AREA																								
ARIZONA																								
AGUILA																								
41	40	1.40	31	4.0	108	32	6.0	2.3	3	3	100 PERCENT	8.6	16.4	64	37	4.7	4.4	100	100	5	5	4		
1 SLM DEL CERRO																								

Table 6 --Cotton, American Pima extra long staple: Quality characteristics by production areas, crop of 1972

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Combed Yarns											
No		Grade	Name & Code	Stple		Array Length		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Comber Waste	Strength		Elongation		Appearance Index		Imprfct'ns		
				32s	24s	UqL	CV		Zero Gage	1/8" Gage			Gr	Yel			50s or 12 tx	80s or 7 tx	50s or 12 tx	80s or 7 tx	50s or 12 tx	80s or 7 tx	50s or 12 tx	80s or 7 tx	
WESTERN AREA																									
ARIZONA SAFFORD																									
1	5	44		1.47	33	4.0	100	PIMA S-4	31	8.8	2.3	5	5	90 PERCENT	7.5	63	35	5.5	5.1	110	110	2	1		
NEW MEXICO COLUMBUS																									
1	5	44		1.46	30	3.3	98	PIMA S-4	29	9.2	4.1	5	6	95 PERCENT	8.7	63	36	5.8	5.2	110	100	2	2		
WEST TEXAS EL PASO																									
2	4	44		1.48	33	3.4	96	PIMA S-4	31	9.0	2.7	4	5	98 PERCENT	7.6	63	35	5.7	5.2	110	110	3	1		
EL PASO																									
2	4	44		1.47	32	3.3	97	PIMA S-4	30	8.9	1.7	5	6	99 PERCENT	7.8	61	33	5.7	5.0	100	100	3	5		
PECOS																									
2	4	44		1.37	32	3.8	99	PIMA S-4	31	8.4	2.1	5	6	100 PERCENT*	7.2	61	34	5.9	4.9	100	100	2	2		

* 100 percent selected for tests, less than 100 percent in the area